



SENIOR ENGINEER – THERMAL SYSTEM DESIGN

WIND TURBINES - NEW PRODUCT DEVELOPMENT

Siemens Wind Power A/S is part of Siemens Group which is leading in technology in various areas.

Globally, Siemens Wind Power A/S has approx. 6.000 employees, and in Denmark approx. 4.000 employees. Headquarter is located in Brande, Denmark.

As a world-leading supplier of high-quality wind turbines and related services, Siemens is ranked number one in the global offshore market and has a vision of becoming a top three supplier in the wind energy market by 2012.

Corporate culture is characterized by environmental consciousness, quality, reliability, innovation, and openmindedness.

The company is developing rapidly, and is expecting to increase the number of employees considerably in the coming years.

Read more at www.siemens.com

SIEMENS

We are searching for a senior engineer with Thermal System Design experience for the generator structural design area.

As a senior engineer, you will be responsible for design of thermal concepts for new product development, including definition of cooling requirements in the generator/wind turbine. You will become a part of a highly qualified and professional development environment and you will have the opportunity of setting new standards within the thermal and wind turbine area. Projects and development are based in Brande.

Your primary tasks will be calculation and design of service friendly and robust thermal concepts/solutions which can be verified theoretically and through extensive testing programs. You must participate in development projects, interfacing with other qualification areas, including CAD design and electromagnetic design as well as calculation and simulation of different models based on efficiency.

Your criteria of success will be technical insight, successful calculations and simulated documentation of cooling needs and acknowledgement of ownership towards cooling needs as well as commitment towards development projects from start to finish.

You have heavy professional experience and the following qualifications:

- Theoretical fundamentals within heat transfer, fluid mechanics and energy balance calculations (mandatory)
- Simulation of dynamics in different parts of the turbine (Matlab/Simulink)
- Experience in building "system models" of complex systems
- Testing of thermal systems (instrumentations, data acquisition, data analysis, uncertainty analysis)
- Heat flow calculations based on FEM, steady state as well as transient (ANSYS)

Personally, you are up for a challenge and setting new standards motivates you. You have strong analytical/logical skills and a broad perspective and you know how to organize, prioritize and plan your own time.

Salary and employment conditions are negotiated individually at an attractive level.

For further information, please contact us on telephone: +45 75 19 19 38. Send your application and CV to job@frontpeople.dk marked.: SETS910

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